

I hereby certify that this correspondence is being deposited with the US Postal Service with sufficient postage as First Class Mail in an envelope addressed to the Commissioner for Patents, Washington, D.C. 20231, on the date shown below.

Date: May 15, 2002

By: Kay L. Gaviglio

RECEIVED
MAY 2 2002
TECH CENTER 1600/2900
PATENT
Docket No. GC714

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of)
Schellenberger, Volker)
Serial No.: 10/022,097)
Filed: December 13, 2001)
For: **TARGETED ENZYME PRODRUG)
THERAPY**

Group Art Unit: Unassigned

Examiner: Unassigned

Information Disclosure Statement

Box DD
Commissioner for Patents
Washington, DC 20231

Sir:

Applicants submit herewith patents, publications or other information (listed on the attached Form PTO-1449 and attached thereto) of which they are aware, that they believe may be material to the examination of this application and in respect of which there may be a duty to disclose in accordance with 37 CFR §1.56.

This Information Disclosure Statement:

- (a) ☐ accompanies the new patent application submitted herewith. 37 CFR §1.97(a).
- (b) ☐ is filed within three months after the filing date of the application or within three months after the date of entry into the national stage of a PCT application as set forth in 37 CFR §1.491.
- (c) ☒ as far as is known to the undersigned, is filed before the mailing date of a first Office Action on the merits.

(d) ☐ is filed after the first Office Action and more than three months after the application filing date or PCT national stage date of entry filing but, as far as is known to the undersigned, prior to the mailing date of either a final rejection or a notice of allowance, whichever occurs first, and is accompanied by either the fee (\$180.00) set forth in 37 CFR §1.17(p) or a certification as specified in 37 CFR §1.97(e), as checked below. Authorization to charge Deposit Account No. 07-1048 in the amount of \$180.00 to cover the cost of this Information Disclosure Statement is provided in the Transmittal Letter submitted herewith in duplicate.

(e) ☐ is filed after the mailing date of either a final rejection or a notice of allowance, whichever occurred first, and is accompanied by authorization (in the Transmittal Letter submitted herewith in duplicate) to charge Deposit Account No. 07-1048 the fee (\$180.00) set forth in 37 CFR §1.17(l)(1) and a certification as specified in 37 CFR §1.97(e), as checked below. **This document is to be considered as a petition requesting consideration of the Supplemental Information Disclosure Statement.**

[If either of boxes (d) or (e) is checked above, the following "certification" under 37 CFR §1.97(e) may need to be completed.] The undersigned certifies that:

☐ Each item of information contained in the Information Disclosure Statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement.

☐ No item of information contained in this Information Disclosure Statement was cited in a communication mailed from a foreign patent office in a counterpart foreign application or, to the knowledge of the undersigned after making reasonable inquiry, was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement.

Those patent(s) or publication(s) which are marked with an asterisk (*) on the attached Form PTO-1449 are not supplied because they were previously cited by or submitted to the Office in a prior application, Serial No. _____ filed _____, and relied upon in this application for an earlier filing date under 35 USC 120.

A concise explanation of relevance of the items listed on PTO-1449 is:

☒ not given

☐ given for each listed item

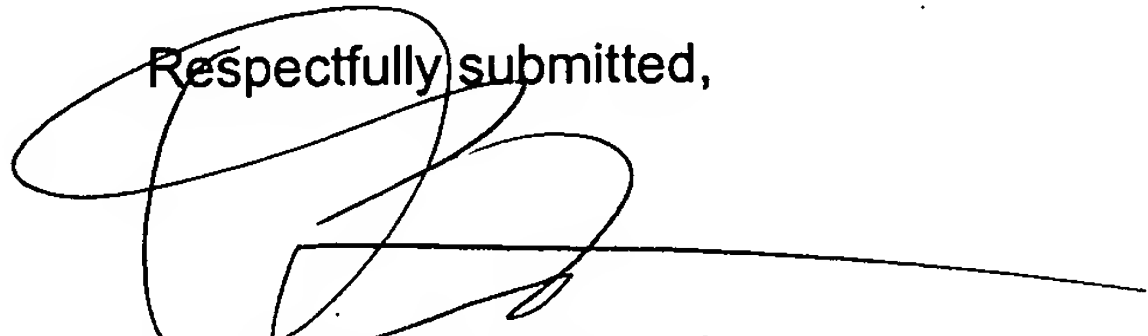
- ☐ given for only non-English language listed item(s)
- ☐ in the form of an English language copy of a Search Report from a foreign patent office, issued in a counterpart application, which refers to the relevant portions of the references.

The Examiner is reminded that a "concise explanation of the relevance" of the submitted prior art "may be nothing more than identification of the particular figure or paragraph of the patent or publication which has some relation to the claimed invention." MPEP §609.

While the information and references disclosed in this Information Disclosure Statement may be "material" pursuant to 37 CFR §1.56, it is not intended to constitute an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

In accordance with 37 CFR §1.97(b), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR §1.56(a) exists. It is submitted that the Information Disclosure Statement is in compliance with 37 CFR §1.98 and MPEP §609 and the Examiner is respectfully requested to consider the listed references.

Respectfully submitted,



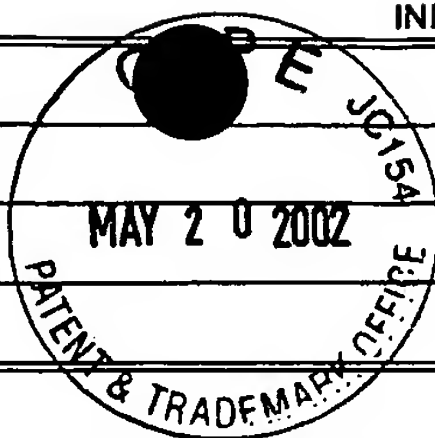
H. Thomas Anderton, Jr.
Registration No. 40,895

Date: May 15, 2001

Genencor International, Inc.
925 Page Mill Road
Palo Alto, CA 94304-1013
Tel: 650 846-7544
Fax: 650 845-6504

INFORMATION DISCLOSURE CITATION

Attorney Docket No.: GC-714		Serial No.: 10/022,097	
Applicant: Schellenberger, Volker			
Filing Date: December 13, 2001		Group: Unassigned	
Page 1 of 5		Date of this Submission: May 15, 2002	

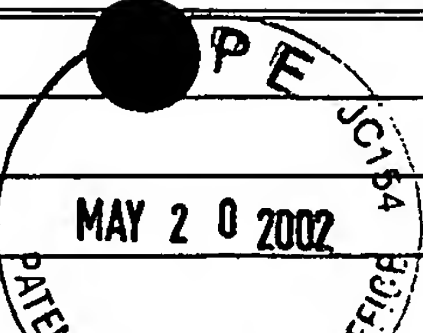


US PATENT DOCUMENTS

Examiner's	Document				Sub-	Filing
Initial	Number	Date	Name	Class	Class	Date
	4,601,978	07/22/86	Karin	435	68	11/24/82
	5,061,620	10/29/91	Tsukamoto et al.	435	7.21	03/30/90
	5,961,973	10/05/99	Crea	424	133.1	11/13/95
	5,011,686	04/30/91	Pang	424	94.1	11/15/89
	5,683,888	11/04/97	Campbell	435	8	07/05/94
	4,458,066	07/03/84	Caruthers et al.	536	27	03/23/81
	5,750,356	06/12/98	Spack et al.	435	7.24	06/31/96
	4,675,187	06/23/87	Konishi et al.	424	117	08/23/85
	4,975,278	12/04/90	Senter et al.	424	94.3	06/29/88
	6,261,535 B1	07/17/01	Thorpe et al.	424	1.49	12/08/98
	6,025,485	02/15/00	Kamb et al.	536	25.32	11/06/97
	5,677,136	10/14/97	Simmons et al.	435	7.24	11/14/94
	4,522,811	06/11/85	Eppstein et al.	514	2	07/08/82
	4,666,848	05/19/87	Gelfand et al.	435	253	08/31/84
	5,750,397	01/12/98	Tsukamoto et al.	435	372	06/06/95
	5,472,855	12/05/95	Carter et al.	435	68.1	09/22/94
	5,371,190	12/06/94	Carter et al.	530	350	07/12/93
	5,711,944	01/27/98	Gilbert et al.	424	85.7	11/10/94
	5,766,883	06/16/98	Ballance et al.	435	69.7	11/17/93
	5,843,440	12/01/98	Pouletty et al.	424	133.1	08/14/96
	4,711,845	12/08/87	Gelfand et al.	435	68	12/24/84
	4,419,446	12/06/83	Howley et al.	435	68	12/31/80
	4,399,216	08/16/83	Axel et al.	435	6	02/25/80

FOREIGN PATENT DOCUMENTS

Examiner's	Document				Sub-	Translation
Initials	Number	Date	Country	Class	Class	Yes/No
	WO 00/24782	05/04/00	PCT - Note: 435 pages of sequence listings have not been included.			
	WO 99/53038	10/21/99	PCT			
	WO 99/61916	12/02/99	PCT			
	0 196 864 A2	03/25/86	PCT			
Examiner			Date Considered			
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.						
PTO-1449						

Attorney Docket No.: GC-714	Serial No.: 10/022,097	<div style="text-align: center;">  </div>
Applicant: Schellenberger, Volker	Group: Unassigned	
Filing Date: December 13, 2001	Date of this Submission: May 15, 2002	
Page 2 of 5		

RECEIVED
 MAY 20 2002
 TECH CENTER 1600/2900

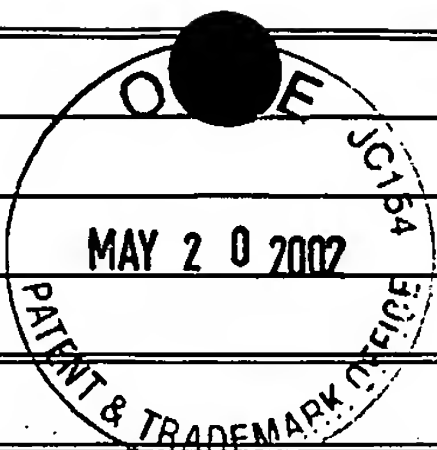
OTHER DOCUMENTS

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
	Altschul et al., "Basic Local Alignment Search Tool," <i>J. of Molecular Biology</i> , Vol. 215, pp. 403-410, 1990
	Altschul et al., "Gapped BLAST and PSI-BLAST: a new generation of protein database search programs," <i>Nucleic Acids Res.</i> , Vol. 25, No. 17, pp. 3389-3402, 1997
	Arap et al., "Cancer Treatment by Targeted Drug Delivery to Tumor Vasculature in a Mouse Model," <i>Science</i> , Vol. 279, pp. 377-380, Jan. 1998
	Ausubel et al., Eds., <i>Current Protocols in Molecular Biology</i> , Vol. I, Green Publishing Associates, Inc. and John Wiley & Sons, Inc., New York, pp. 2.10.1-16, 1989
	Axe, D., "Extreme Functional Sensitivity to Conservative Amino Acid Changes on Enzyme Exteriors," <i>J. Mol. Biol.</i> , Vol. 301, pp. 585-595, 2000
	Bagshawe et al., "Developments with targeted enzymes in cancer therapy," <i>Current Opinion in Immunology</i> , Vol. 11, pp. 579-83, 1999
	Barbas et al., <i>Phage Display: A Laboratory Manual</i> , Cold Spring Harbor Laboratory Press, 2001 -- Listed but not sent in.
	Beaucage et al., "Deoxynucleoside Phosphoramidites-A new Class of Key Intermediates for Deoxypolynucleotide Synthesis," <i>Tetrahedron Lett.</i> , Vol. 22, pp. 1859-1862, 1981
	Bekkers et al., "Targeting of Porcine Pancreatic Phospholipase A ₂ to Human Platelets: Introduction of an RGD Sequence by Genetic Engineering," <i>Throm. Haemost.</i> , Vol. 74, No. 4, pp. 1138-1144, 1995
	Benito et al., "Insertion of a 27 amino acid viral peptide in different zones of <i>Escherichia coli</i> β-galactosidase: Effect on the enzyme activity," <i>FEMS Microbiology Letters</i> , Vol. 123, pp. 107-112, 1994
	Berger, S., "Expanding the Potential of Restriction Endonucleases: Use of Hapaxotermistic Enzymes," <i>Analytical Biochemistry</i> , Vol. 222, pp. 1-8, 1994
	Berger, S. et al., "Phoenix Mutagenesis: One-Step Reassembly of Multiply Cleaved Plasmids with Mixtures of Mutant and Wild-Type Fragments," <i>Analytical Biochemistry</i> , Vol. 214, pp. 571-579, 1993
	Biondi et al., "Random insertion of GFP into the cAMP-dependent protein kinase regulatory subunit from <i>Dictyostelium discoideum</i> ," <i>Nucleic Acids Research</i> , Vol. 26, No. 21, pp. 4946-4952, 1998
	Bolivar et al., "Construction and Characterization of New Cloning Vehicles," <i>Gene</i> , Vol. 2, pp. 95-113, 1977
	Brennan et al., "A molecular sensor system based on genetically engineering alkaline phosphatase," <i>Proc. Natl. Acad. Sci.</i> , Vol. 92, pp. 5783-5787, 1995
	Broach, J.R., "Construction of High Copy Yeast Vectors using 2-μm Circle Sequences," <i>Meth. In Enzymology</i> , Vol. 101, pp. 307-324, 1983
	Brown et al., "Chemical Synthesis and Cloning of a Tyrosine tRNA Gene," <i>Meth. Enzymol.</i> , Vol. 68, pp. 109-151, 1979
	Carter et al., "Engineering Enzyme Specificity by 'Substrate-Assisted Catalysis,'" <i>Science</i> , Vol. 237, pp. 237-394, 1987
	Chaga et al., "Engineering of a metal coordinating site into human glutathione transferase M1-1 based on immobilized metal ion affinity chromatography of homologous rat enzymes," <i>Protein Engineering</i> , Vol. 7, No. 9, pp. 1115-1119, 1994
	Chari, R., "Targeted delivery of chemotherapeutics: tumor-activated prodrug therapy," <i>Adv. Drug. Deliver. Rev.</i> , Vol. 31, pp. 89-104, 1998
	Christofidou-Solomidou et al., "Immunotargeting of glucosooxidase to endothelium in vivo causes oxidative vascular injury in the lungs," <i>Am. J. Physiol. Lung Cell. Mol. Physiol.</i> , Vol. 278, pp. L794-L805, 2000
	Clackson et al., "Making antibody fragments using phage display libraries," <i>Nature</i> , Vol. 352, pp. 624-28, 1991
	Clarke et al., "Selection Procedure for isolation of Centromere DNAs from <i>Saccharomyces cerevisiae</i> ," <i>Meth. In Enz.</i> , Vol. 101, pp. 300-307, 1983
	Clewell et al., "Supercoiled Circular DNA-Protein Complex in <i>Escherichia Coli</i> : Purification and Induced Conversion to an Open Circular DNA Form," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 62, pp. 1159-1166, 1969
	Clewell, J., "Nature of Col E ₁ Plasmid Replication in <i>Escherichia coli</i> in the Presence of Chloramphenicol," <i>Bacteriol.</i> , Vol. 110, pp. 667-675, 1972
	Cohen et al., "Nonchromosomal Antibiotic Resistance in Bacteria: Genetic Transformation of <i>Escherichia coli</i> by R-Factor DNA," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 69, pp. 2110-2114, 1972
	Colas et al., "Targeted modification and transportation of cellular proteins," <i>PNAS</i> , vol. 97, No. 25, pp. 13720-13725, 2000
	Collinet et al., "Functionally Accepted Insertions of Proteins within Protein Domains," <i>J. of Biological Chemistry</i> , Vol. 275, No. 23, pp. 17428-17433, 2000
	Corey et al., "Trypsin Specificity Increased through Substrate-Assisted Catalysis," <i>Biochemistry</i> , Vol. 34, pp. 11521-27, 1995
	Cruz and Patterson, Eds., <i>Tissue Culture</i> , Academic Press, 1973 -- Listed but not sent in.

Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.

Attorney Docket No.: GC-714	Serial No.: 10/022,097
Applicant: Schellenberger, Volker	
Filing Date: December 13, 2001	Group: Unassigned
Page 3 of 5	Date of this Submission: May 15, 2002



OTHER DOCUMENTS

RECEIVED

MAY 22 2002

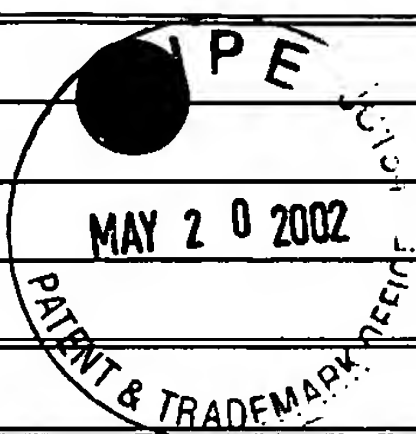
TECH CENTER 1600/2900

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
	Curnis et al., "Enhancement of tumor necrosis factor α antitumor immunotherapeutic properties by targeted delivery to aminopeptidase N (CD 13)," <i>Nat. Biotechnol.</i> , Vol.18, pp. 1185-1190, 2000
	Dall'Acqua et al., "Elastase substrate specificity tailored through substrate-assisted catalysis and phage display," <i>Protein Eng.</i> , Vol. 12, No. 11, pp. 981-987, 1999
	Dall'Acqua et al., "Substrate-assisted catalysis: Molecular basis and biological significance," <i>Protein Science</i> , Vol. 9, pp.1-9, 2000
	DeFeo-Jones et al., "A peptide-doxorubicin 'prodrug' activated by prostate-specific antigen selectively kills prostate tumor cells positive for prostate-specific antigen <i>in vivo</i> ," <i>Nat. Med.</i> , Vol. 6, No. 11, pp.1248-1252, 2000
	Depicker et al., "Nopaline synthase: Transcript Mapping and DNA Sequence," <i>J. Mol. Appl. Gen.</i> , Vol. 1, pp. 561-573, 1982
	Doi et al., "Screening of conformationally constrained random polypeptide libraries displayed on a protein scaffold," <i>Cell. Mol. Life Sci.</i> , Vol. 54, pp. 394-404, 1998
	Doi et al., "Insertional gene fusion technology," <i>FEBS Letters</i> , Vol. 457, pp. 1-4, 1999
	Ferrara et al., "Clinical applications of angiogenic growth factors and their inhibitors," <i>Nat. Med.</i> , Vol. 5, No. 12, pp. 1359-1364, 1999
	Fiers et al., "Complete nucleotide sequence of SV40 DNA," <i>Nature</i> , Vol. 273, pp.113-120, 1978
	Frankel et al., "Targeted Toxins," <i>Clin. Cancer Res.</i> , Vol. 6, pp. 326-334, 2000
	Gerber et al., "VEGF couples hypertrophic cartilage remodeling, ossification and angiogenesis during endochondral bone formation," <i>Nature Medicine</i> , Vol. 5, No. 6, pp. 623-628, 1999
	Goeddel et al., "Synthesis of human fibroblast interferon by E. Coli," <i>Nuc. Acids Res.</i> , Vol. 8, pp. 4057-4075, 1980
	Goodchild,J., "Conjugates of Oligonucleotides and Modified Oligonucleotides: A Review of Their Synthesis and Properties," <i>Bioconjugate Chemistry</i> , Vol. 1, No. 3, pp. 165-187, 1990
	Greenwald et al., "Poly(ethylene glycol) Conjugated Drugs and Prodrugs: A Comprehensive Review," <i>Crit. Rev. Ther. Drug Carrier Syst.</i> , Vol. 17, pp.101-161, 2000
	Hallet et al., "Pentapeptide scanning mutagenesis: random insertion of a variable five amino acid cassette in a target protein," <i>Nucleic Acids Research</i> , Vol. 25, No. 9, pp. 1866-1867, 1997
	Hellstrom et al., "Monoclonal Antibodies To Two Determinants Of Melanoma-Antigen p97 Act synergistically In Complement-Dependent Cytotoxicity," <i>J. Immunol.</i> , 127 (No. 1), pp. 157-160, 1981
	Hengsakul et al., "Alkaline Phosphatase-Strep Tag Fusion protein Binding to Streptavidin: Resonant Mirror Studies," <i>J. Mol. Biol.</i> , Vol. 266, pp. 621-632, 1997
	Hess et al., "Cooperation of Glycolytic Enzymes," <i>J. Adv. Enzyme Reg.</i> , Vol. 7, pp. 149-167, 1968
	Holland et al., "Isolation and Identification of Yeast Messenger Ribonucleic Acids Coding for Enolase, Glyceraldehyde-3-phosphate Dehydrogenase, and Phosphoglycerate Kinase," <i>Biochemistry</i> , Vol. 17, pp. 4900-4907, 1978
	Holland et al., "The Primary Structures of Two Yeast Enolase Genes," <i>J. Biol. Chem.</i> , Vol. 256, No. 3, pp. 1385-1395, 1981
	Hsiao et al., "High-Frequency transformation of yeast by plasmids containing the cloned yeast ARG4gene," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 76, No. 8, pp. 3829-3833, 1979
	Hudson, J., "Recombinant antibody fragments," <i>Curr. Opin. Biotechnol.</i> , Vol. 9, No. 4, pp. 395-402, 1998
	Jain, R., "Transport of Molecules in the Tumor Interstitium: A Review," <i>Cancer Res.</i> , Vol. 47, pp. 3039-3051, 1987
	Jarvik et al., "Epitope Tagging," <i>Annu. Rev. Genet.</i> , Vol. 32, pp. 601-618, 1998
	Jobling et al., "Construction of vectors with the p15a replicon, kanamycin resistance, inducible <i>lacZ</i> α and pUC18 or pUC19 multiple cloning sites," <i>Nucleic Acids Res.</i> , Vol.18, No. 17, pp. 5315-5316, 1990
	Kerr et al., "Development and Activities of a New Melphalan Prodrug designed for Tumor-Selective Activation," <i>Bioconjugate Chemistry</i> , Vol. 9, pp. 255-59, 1998
	Kerr et al., "Application of Monoclonal antibodies against Cytosine Deaminase for the <i>in Vivo</i> Clearance of a Cytosine Deaminase Immunoconjugate," <i>Bioconjugate Chemistry</i> , Vol. 4, pp. 353-357,1993
	Legendre et al., "Engineering a regulatable enzyme for homogeneous immunoassays," <i>Natl. Biotechnol.</i> , Vol. 17, pp. 67-72, 1999
	Margolin et al., "Substrate Specificity of Penicillin Smidase From <i>E. coli</i> ," <i>Biochim. Biophys. Acta.</i> , Vol. 616, pp. 283-89, 1980
	Maxam et al., "Sequencing End-Labeled DNA with Base-Specific Chemical Cleavages," <i>Methods in Enzymology</i> , Vol. 65, pp. 499-560, 1980
	McCutcheon's <i>Emulsifiers & Detergents</i> , North American Edition, 1983, McCutcheon Division of MC Publishing co., 175 Rock Road, Glen Rock, N.J. - Listed but not sent in.

Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Attorney Docket No.: GC-714	Serial No.: 10/022,097
Applicant: Schellenberger, Volker	
Filing Date: December 13, 2001	Group: Unassigned
Page 4 of 5	Date of this Submission: May 15, 2002



RECEIVED

OTHER DOCUMENTS

MAY 22 2002

Examiner's	
Initials	Author, Title, Date, Pertinent Pages, etc.
	Melton & Knox, <i>Enzyme-Prodrug Strategies for Cancer Therapies</i> , Kluwer Academic/Plenum Publishers, N.Y., 1999 – Listed but not sent in.
	Messing et al., "A system for shotgun DNA sequencing," <i>Nuc. Acids Res.</i> , Vol. 9, pp. 309-321, 1981
	Meyerhans et al., "DNA recombination during PCR," <i>Nucleic Acids Res.</i> , Vol. 18, No. 7, pp.1687-1691, 1990
	Miller et al., "An Insect Baculovirus Host-Vector System for High-Level Expression of Foreign Genes," <i>Genetic Engineering</i> , 1986, Setlow et al., Eds., Plenum Publishing, Vol. 8, pp. 227-97
	Napolitano et al., "Glubodies: randomized libraries of glutathione transferase enzymes," <i>Chem. Biol.</i> , Vol. 3, pp. 359-367, 1996
	Narang et al., "Improved Phosphotriester Method for the Synthesis of Gene Fragments," <i>Meth. In Enzymol.</i> , Vol. 68, pp. 90-99, 1979
	Niculescu-Duvaz et al., "Prodrugs for antibody- and gene-directed enzyme prodrug therapies (ADEPT and GDEPT)," <i>Anticancer Drug Des.</i> , Vol. 14, pp. 517-538, 1999
	Niculescu-Duvaz et al., "Antibody-directed enzyme prodrug therapy (ADEPT): a review," <i>Adv. Drug Del. Rev.</i> , Vol. 26, pp. 151-172, 1997
	Norman et al., "Genetic Selection of peptide Inhibitors of Biological Pathways," <i>Science</i> , Vol. 285, pp. 591-595, 1999
	Pantoliano et al., "The Engineering of Binding Affinity at Metal Ion Binding Sites for the Stabilization of Proteins," <i>Biochemistry</i> Vol. 27, pp. 8311-8317, 1988
	Philpott et al., "Selective Cytotoxicity of Hapten-Substituted Cells With An Antibody-Enzyme Conjugate," <i>J. Immunol.</i> , Vol. 111, No. 3, pp. 921-929, 1973
	Roberts et al., "Protease inhibitor display M13 phage: selection of high-affinity neutrophil elastase inhibitors," <i>Gene</i> , Vol. 121, pp. 9-15, 1992
	Rubinstein et al., "Homogeneous Enzyme Immunoassay. A New Immunochemical Technique," <i>Biochem. Biophys. Res. Commun.</i> , Vol. 47, pp. 846-851, 1972
	Sala-Newby G.B. et al., <i>Targeted Bioluminescent Indicators in Living Cells</i> , 2000, Dept. of Medical Biochemistry, Univ. of Wales, College of Medicine, Cardiff, United Kingdom – Listed but not sent in.
	Sambrook et al, Eds. <i>Molecular Cloning: A Laboratory Manual</i> , 2d Ed., Cold Spring Harbor Laboratory Press, pp. 9.47-57, and Chapter 15.51, 1989
	Sanger et al., "DNA sequencing with chain-terminating inhibitors," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 74, No. 12, pp. 5463-5467, 1977
	Serpensu et al., "Kinetic and Magnetic Resonance Studies of Active Site Mutants of Staphylococcal Nuclease: Factors Contributing to Catalysis," <i>Biochemistry</i> , Vol. 26, pp. 1289-1300, 1987
	Shaw et al., "A general method for the transfer of cloned genes to plant cells," <i>Gene</i> , Vol. 23, pp. 315-330, 1983
	Sherwood, R., "Advanced drug delivery reviews: enzyme prodrug therapy," <i>Advanced Drug. Del. Rev.</i> , Vol. 22, pp. 269-288, 1996
	Shimatake et al., "Purified λ regulatory protein cII positively activates promoters for lysogenic development," <i>Nature</i> , Vol. 292, pp. 128-132 1981
	Siemers et al., "Construction, Expression, and Activities of L49-sFv- β -Lactamase, a Single-Chain Antibody Fusion Protein for Anticancer Prodrug Activation," <i>Bioconjug. Chem.</i> , Vol. 8, pp. 510-519, 1997
	Smith et al., "Protein Loop Grafting to Construct a Variant of tissue-type Plasminogen activator that Binds Platelet Integrin $\alpha_{IIb} B3^*$," <i>J. Biol. Chem.</i> , No. 270, No. 51, pp. 30486-30490, 1995
	Smith, G., Filamentous Fusion Phage: Novel Expression Vectors that Display Cloned Antigens on the Virion Surface," <i>Science</i> , 228, pp. 1315-7, 1985
	Smith et al., "Building Synthetic antibodies as Adhesive Ligands for Integrins," <i>J. Biol. Chem.</i> , Vol. 269, No. 52, pp. 32788-95, 1994
	Sottrup-Jensen et al., "The α -Macroglobulin Bait region," <i>J. of Biological Chemistry</i> , V. 264, No. 27, pp. 15781-89, 1989
	Stella et al., "Prodrugs: A Chemical Approach to Targeted Drug Delivery," <i>Directed Drug Delivery</i> , R. Borchardt et al, Eds., pp. 247-67, Humana Press, 1985
	Stinchcomb et al., "Isolation and characterization of a yeast chromosomal replicator," <i>Nature</i> , Vol. 282, pp. 39-43, 1979
	Syrgos & Epenetos, "Antibody Directed Enzyme Prodrug Therapy (ADEPT): A Review of the Experimental and Clinical Considerations," <i>Anticancer Res.</i> , Vol. 19, pp. 605-614, 1999
	Torchilin,V., "Drug targeting," <i>Eur. J. Pharm. Sci.</i> , 11 Suppl. 2, pp. S81-S91, 2000
	Travis & Salvesen, "Human Plasma Proteinase Inhibitors," <i>Annu. Rev. Biochem.</i> , 52:655-709, 1983
	Trouet et al., "A covalent linkage between daunorubicin and proteins that is stable in serum and reversible by lysosomal hydrolases, as required for a lysosomotropic drug-carrier conjugate: <i>In vitro</i> and <i>in vivo</i> studies," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 79, pp. 626-629, 1982
	Tschumper et al., Sequence of a yeast DNA fragment containing a chromosomal replicator and the TRP1 gene," <i>Gene</i> , Vol. 10, 157-166, 1980

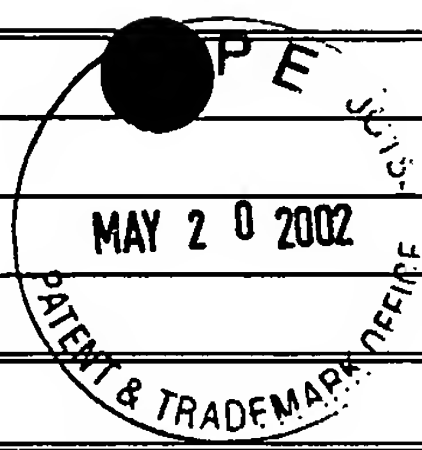
TECH CENTER 1600/2900

Examiner	Date Considered

Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

PTO-1449

Attorney Docket No.: GC-714	Serial No.: 10/022,097	RECEIVED MAY 2 2002 TECH CENTER 1600/2900
Applicant: Schellenberger, Volker	Group: Unassigned	
Filing Date: December 13, 2001	Date of this Submission: May 15, 2002	
Page 1 of 5		



OTHER DOCUMENTS

Examiner's		
Initials	Author, Title, Date, Pertinent Pages, etc.	
	Umemoto et al., "Preparation and <i>In Vitro</i> Cytotoxicity of a Methotrexate-Anti-MM46 Monoclonal Antibody Conjugate Via An Oligopeptide Spacer," <i>Int. J. Cancer</i> , Vol. 43, pp. 677-684, 1989	
	Van Solingen, et al., Fusion of Yeast Spheroplasts," <i>J. of Bacteriology</i> , Vol. 130, No. 2, pp. 946-947	
	Wang, et al., Engineering the Independent Folding of the Subtilisin BPN' Pro-Domain: Correlation of Pro Domain Stability with the Rate of Subtilisin Folding," <i>Biochemistry</i> , Vol. 37, pp. 31-65-3171	
	Ward et al., "Retrieval of human antibodies from phage-display libraries using enzymatic cleavage," <i>J. Immunol. Methods</i> , Vol. 189, pp. 73-82, 1996	
	Wilman, E., "Prodrugs In Cancer Chemotherapy," <i>Biochemical Society Transactions</i> , 14, pp. 375-82 (615th Meeting, Belfast, 1986)	
	Wray et al., "Use of a non-rigid region in T4 lysozyme to design an adaptable metal-binding site," <i>Protein Engineering</i> , Vol. 13, No. 5, pp. 313-321, 2000	
	Yamabhai et al., "Examining the Specificity of Src Homology 3 Domain - Ligand Interactions with Alkaline Phosphatase Fusion Proteins," <i>Analytical Biochemistry</i> , Vol. 247, pp. 143-151, 1997	
	Yuan et al., "Vascular Permeability in a Human Tumor Xenograft: Molecular Size Dependence and Cutoff Size," <i>Cancer Res.</i> , Vol. 55, pp.3752-3756, 1995	
Examiner	Date Considered	
Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609; draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.		
		PTO-1449